SBR No-33/15-16

# Original/Duplicate/Triplicate
# CONTRACT CERTIFICATE

No. ***First & Final Bill*** (For Other Works) Date. 30-4-2015

Division: **BBMP, Byataranyanapura** Sub-Division: **BBMP, Vidyaranyapura**

Bill Received No. Dated Divisional Cash Book Voucher No…….. Dated……
Sub Divisional **Work Code: 010-15-000030**
Schedule Docket No. Head of Account: P3055 **Est.Cost: 20.00 Lakhs** D.R.No. :

Name of Work (as per sanctioned estimate: **Construction of Class Rooms at Doddabommasandra in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.**

Name of Contractor and Full Address: ***Sri A. Krishnareddy, Contractor, # 55, 1st Mai Road, 12th Cross, Kodandaramapuram, Malleshwaram, Bangalore - 03.***

Reference to Agreement No. **EE/BTP/BBMP/E-PMT/07(13906)/WO/197/2014-15** **Dated: 08.01.2015**

Certified that the measurements were taken by me on 29/4/2015 and recorded of **Pages** 25/162 **to** 25/175 of measurement Book No. 25/2 and that the work is satisfactorily executed.

**Contractor** **Officer-in-charge of work**

Certified that the measurement were taken by me on 29/4 ……and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

**Sub-Division Officer**

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

II Memorandum of Payment

| | | Amount |
|---|---|---|
| 1) | Total value of work done or supplies made as per account within | 1st & Final BM — 1909630=00 |
| 2) | Deduct amount to be held in reserve being ……percent Rs…… | ET — 19096=00 |
| 3) | " Balance | VAT — 76385=00 |
| 4) | Deduct Payment: | FSD — 114578=00 |
| a. | Amount of previous payment as in the Office Cash Book Voucher No……Dated……S.D. No……adjusted towards cash advance recovery of | LWF — 19096=00 |
| | | CBF — 1910=00 |
| | | Roy — 11589=00 |
| b. | Payments Now made: cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash. | Total deduction — 2026540=00 |
| 5) | Balance being unpaid value of work done held in reserve. | By Cheque — 16,66,976=00 |
| 6) | Deduct cash advance made on the Office cash Book Voucher No…… dated……less adjustments. | |
| 7) | Net amount due to or from Contractor unadjustments items. | |
| 8) | Advance to Contractor for materials brought to site (as detailed) within. | |
| 9) | Value of Government materials supplied. | |
| | Total amount adjusted - | |

A. Krishna
Contractor's Signature

Received Rs…….. (in words)……
……
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands) (For use in the Office)

Witness
1.
2.
Dated Signature of Contractor
Paid by me by Cheque No……Dated……
Cash Rs……..
Dated……

Stamp

1909630=00
2026540=00
1666976=00

**Initials of Officer making payment** **Executive Engineer**

| Sl. No. | | Unit |
|---|---|---|
| 1 | Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations footings, bases of **columns** for mass concrete including cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work. | Sqm |
| 2 | Providing and removing centering, shuttering, strutting, propping etc., for **chajjas**, corbels etc., including edges including cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work. | Sqm |
| 3 | Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, **roofs**, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work. | Sqm |
| 4 | Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459 cum wuth superplastisier @ 3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works **in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, wall** (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work. | Cum |
| 5 | Providing and laying in position reinforced cement concrete ofmix M20 with OPC cement @ 24kgs, with 12 mm and down size graded granite metal coarse aggregates @ 0.5175 cum and fine aggregates @ 0.345 cum with superplastisiser @ 0.225lts,machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor lever, including cost of all materials, labour, HOM of machinery, curing, etc complete as per specifications and directions of engineer in charge of the work. | Sqm |
| 6 | Providing **TMT steel reinforcement for R.C.C** work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery etc complete as per specifications and directions of engineer in charge of the work. | Qntl |
| 7 | Providing and constructing burnt brick masonry with approved quality of modular bricks of standard size of **class designation 50 (table moulded) with cement mortar 1:6 for basement and superstructure** including cost of materials, labour charges, scaffolding, curing etc complete as per specifications and directions of engineer in charge of the work. | Cum |
| 8 | Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc, consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75kg/sqm conforming admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment, (b) laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junction of walls and slabs, (c) after two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mortar of mix | Sqm |
| 9 | Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work. | Sqm |
| 10 | Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing **(Inside wall)** etc complete as per specifications and directions of engineer in charge of the work. | Sqm |
| 11 | Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work. | Sqm |
| 12 | Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing **(Out side Wall)** etc complete as per specifications and directions of engineer in charge of the work. | Sqm |
| 13 | Providing Honne wood frames of doors, windows, clerestory windows, ventilators, and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps ), but including cost of materials, labour, HOM of machineries etc complete as per specifications and directions of engineer in charge of the work. | Cum |

| Previous Measurement | | Present Measurement | | | Total Upto Date | | Remarks |
|---|---|---|---|---|---|---|---|
| Qty. | Cost | Qty. | Rate Rs. P. | Amount | Qty | Cost | |
| - | - | 95.20 | 260.00 | 24752.00 | 95.20 | 24752.00 | |
| - | - | 6.00 | 26.00 | 156.00 | 6.00 | 156.00 | |
| - | - | 253.86 | 290.00 | 73619.40 | 253.86 | 73619.40 | |
| - | - | 65.09 | 5800.00 | 377522.00 | 65.09 | 377522.00 | |
| - | - | 5.40 | 420.00 | 2268.00 | 5.40 | 2268.00 | |
| - | - | 78.65 | 7500.00 | 589875.00 | 78.65 | 589875.00 | |
| - | - | 40.47 | 6000.00 | 242820.00 | 40.47 | 242820.00 | |
| - | - | 175.00 | 805.00 | 140875.00 | 175.00 | 140875.00 | |
| - | - | 307.11 | 200.00 | 61422.00 | 307.11 | 61422.00 | |
| - | - | 184.98 | 250.00 | 46245.00 | 184.98 | 46245.00 | |
| - | - | 492.09 | 25.00 | 12302.25 | 492.09 | 12302.25 | |
| - | - | 234.95 | 200.00 | 46990.00 | 234.95 | 46990.00 | |
| - | - | 0.32 | 110000.00 | 35200.00 | 0.32 | 35200.00 | |

| Sl. No. | | Unit |
|---|---|---|
| 14 | **Fixing of door frame** in an existing opening including embedding Nos 458.43 frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20 mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour charges, etc complete as per specifications and directions of engineer in charge of the work. | Nos |
| 15 | Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures).etc complete as per specifications and directions of engineer in charge of the work. | Sqm |
| 16 | Providing and fixing in position Honne wood half panelled shutters at bottom and half glazed at top for windows shutters with styles and rails of 35mm. thick, 75mm wide in two halves with panels of 25mm thick 3mm thick reeded glass for top panels fixed with wooden beading including cost of materials, labour charges, HOM of machineries complete as per specification (excluding cost of fixtures) Specification No Providing an fixing in position teak wood half paneled shutters at bottom and half glazed at top for window sutters with styles and rails of 35mm, thick, 75mm wide in two halves with panels of 25mm thick, 3mm thick reeded glass for top panels fixed with wooden beading including cost of materials, labour charges, HOM of machineries complete as per specifications. (Excluding cost of fixtures) etc complete as per specifications and directions of engineer in charge of the work. | Sqm |
| 17 | MS Bars at 0.62Kg/Mtr = 194.40 x 0.62 = 120.53 Kgs etc complete as per specifications and directions of engineer in charge of the work. | Sqm |
| 18 | Providing wall black boards in CM 1:3 two coats of black paint including finishing etc complete as per specifications and directions of engineer in charge of the work. | Sqm |
| 19 | Providing and laying in position plain cement concrete of **mix M7.5 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work. | Cum |
| 20 | Flooring with **25mm to 40mm thick polished Thandur blue stone slabs** using cement mortar 1:6, 25mm thick over existing cement concrete bed or top roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing etc complete as per specifications and directions of engineer in charge of the work. | Sqm |
| 21 | Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foregin matter including preparing the surface even and sand paper smooth, cost of materials, labours, etc complete as per specifications and directions of engineer in charge of the work. | Sqm |
| 22 | Providing and finishing external walls in tow coats with water proof cement paint of approve brand and shade to give an even shade after thourghly brooming the surface to remove all dirt and losse powdered material, free from mortar dops and other foreign matter cost of materials, labours, etc complete as per specifications and directions of engineer in charge of the work. | Cum |
| 23 | Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, etc complete as per specifications and directions of engineer in charge of the work. | Sqm |
| 24 | Providing lath plaster with cement mortar 1:3 5cms thick with 6mm dia mild steel bars at 20 cms c to c both horizontally and vertically fixing chicken mesh for drop chajja, facia, backing to cup boards including cost of all materials, labour, providing and removing form work HOM of machineries, curing, etc complete as per specifications and directions of engineer in charge of the work. | Sqm |
| 25 | **Groove Cutting :** Supplying ... dia 2mm/2.5mm thick heavy gauage PVC Conduit Pipe with bends metal junction boxes adhesive paste etc., and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary 32 mm dia 2.5mm thick etc complete as per specifications and directions of engineer in charge of the work. | Mtrs |
| 26 | Supplying and flush mounting teak wooden box with out front plank made of not less than 12mm thick wood after due groove cutting necessary masonry patch work 10"X7"X3" (300X228X76mm) etc complete as per specifications and directions of engineer in charge of the work. | Each |
| 27 | 8"X6"X3" (300X228X76mm) | |
| 28 | Supplying and fixing PVC/metal conduit accessories special type Junction Box 32 mm Junction Box (I. 5/P. 3) etc complete as per specifications and directions of engineer in charge of the work. | Each |
| 29 | Deep 32 mm Junction Box | |
| 30 | Fan Box 18 /SWG | |

| Previous Measurement | | Present Measurement | | | Total Upto Date | | Remarks |
|---|---|---|---|---|---|---|---|
| Qty. | Cost | Qty. | Rate Rs. P. | Amount | Qty | Cost | |
| - | - | 2.00 | 950.00 | 1900.00 | 2.00 | 1900.00 | |
| - | - | 4.41 | 4800.00 | 21168.00 | 4.41 | 21168.00 | |
| - | - | 8.64 | 4400.00 | 38016.00 | 8.64 | 38016.00 | |
| - | - | 120.53 | 40.00 | 4821.20 | 120.53 | 4821.20 | |
| - | - | 2.64 | 850.00 | 2244.00 | 2.64 | 2244.00 | |
| - | - | 24.19 | 4400.00 | 106436.00 | 24.19 | 106436.00 | |
| - | - | 133.52 | 1100.00 | 146872.00 | 133.52 | 146872.00 | |
| - | - | 492.09 | 65.00 | 31985.85 | 492.09 | 31985.85 | |
| - | - | 234.95 | 85.00 | 19970.75 | 234.95 | 19970.75 | |
| - | - | 21.69 | 90.00 | 1952.10 | 21.69 | 1952.10 | |
| - | - | 15.00 | 950.00 | 14250.00 | 15.00 | 14250.00 | |
| - | - | 60.00 | 75.00 | 4500.00 | 60.00 | 4500.00 | |
| - | - | 2 | 75.00 | 150.00 | 2.00 | 150.00 | |
| - | - | 2 | 65.00 | 130.00 | 2.00 | 130.00 | |
| - | - | 20 | 35.00 | 700.00 | 20.00 | 700.00 | |
| - | - | 4 | 40.00 | 160.00 | 4.00 | 160.00 | |
| - | - | 4 | 65.00 | 260.00 | 4.00 | 260.00 | |

| Sl. No. | | Unit |
|---|---|---|
| 31 | Point Wiring using copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit / casing caping using Copper PVC insulated multi strand 2x1.5 Sqmm copper wire with a 6 Amps flush type SP control switch shall be fixed on the existing plastic sheet gang box the other end of the wires shall be terminated with sufficient loose length in a wood PVC round block complete for each outlet Point Wiring using Class A Materials a) Short point upto 3Mtr from tapping point to out let via switch etc complete as per specifications and directions of engineer in charge of the work. | Each |
| 32 | b) Medium point above 3mtr upto 6mtr from tapping point to out let via switch | |
| 33 | C) Long point above 6mtrs upto 10mtrs from tapping point to outlet via switch | |
| 34 | Supplying and fixing superior quality modula switch mounting polyorbonate plate with ncecessary supporting back plate with required nos. of machines screwes, bolts nuts etc., complete on the existing metal/PVC box 1 to 3 Modular etc complete as per specifications and directions of engineer in charge of the work. | Each |
| 35 | 8 Modular | |
| 36 | Supplying and fixing of modular switch / socket/Stepped electrical fan regulator / dimmer / telephone socket etc on existing modular switch plate 6Amps one way. etc complete as per specifications and directions of engineer in charge of the work. | Each |
| 37 | 6Amps 3way Socket. | |
| 38 | Stepped Fan Regulator | |
| 39 | Supply patty type fluorescent tube light fitting of 4' - 36/40 watts fluorescent tube fitting, made out of M.S. Sheet and stove enameled with low loss open construction copper wound ferromagnetic ballast, starter, locking, locking type brass contact holder mounted on double fold type sheet base fully wired for used on 230 Volts A C Supply including fluouresecent tube Group 'A' etc complete as per specifications and directions of engineer in charge of the work. | Each |
| 40 | Supplying of Incandescent lamps B.C. 100Watts etc complete as per specifications and directions of engineer in charge of the work. | Each |
| 41 | Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system Regulator Model (Khaitan, Crompton Geaves, Orient, Polar, Bajaj, Usha, Havells, Almonard 56" Sweep (1400 mm) etc complete as per specifications and directions of engineer in charge of the work. | Each |
| 42 | Supplying and fixing 32Amps security and energy savings DP switch with key tag suitable to operate on 230 Volts 50Hz AC supply & completely wired on existing box Group A etc complete as per specifications and directions of engineer in charge of the work. | Each |
| 43 | Supplying an fixing one of 230 volts PBBC bakelite staight or slant batten holder and wiring with in 60w/230 Volts lamps etc complete as per specifications and directions of engineer in charge of the work. | No |
| 44 | Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required 5-32 Amps etc complete as per specifications and directions of engineer in charge of the work. | Each |
| 45 | Supply and fixing polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws 20"x20"x2.5" etc complete as per specifications and directions of engineer in charge of the work. | Each |
| 46 | Supplying and fixing of porcelain fuse channel with cut out on existing wooden /panel using necessary nuts, bolts and washers 32 Amps etc complete as per specifications and directions of engineer in charge of the work. | Each |
| 47 | Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipment on the meter board using 40mm dia 2.90 thick GI pipe 2.5 mtr long buried in a pit.. The pit should be filled with equal proprotion of salt and charcol 150mm alround the pipe to complete depth. The connection from the pipe to the conduit etc, is to be established through GI wire of size as oer ISI specification 7.3.3 of Is 732 using 12mm dia nuts, washers and checknuts etc the pipe shall have 16 through holes of 122 mm dia etc complete as per specifications and directions of engineer in charge of the work. | Each |
| 48 | INSULATED CABLE ON MESSENGER WIRE Using 2 single core wires for a single phas and 4 single core wies for 3 phase supplying and stringing PVC insulated and PVC sheathed 650/1100V class aluminium conductor of size supported by 3.15mm (10 SWG) GI messenger wire with two breaks insulators, one at each end of the span wit suspenders at intervals of 0.75m. Each suspender shall be of porcelain reel insulator of suitable core through which insulated wire passes (single core or twin core as the case may be) and this reel insulator shall be fixed to the messanger wire using 2mm (No. 14SWG) GI wire suitably bent and twisted. Separate reel insulated shall be provided for each wire the messanger wire shall be bed-ended on the clamp provided to the departmental pole wide c) 6 Sqmm item No. 4 above etc complete as per specifications and directions of engineer in charge of the | Mtr |
| | **Total** | |

**CERTIFICATE**

1. Certified that the above work done satisfactory and no materials issued from departmentally.

Jadhav
AE 29/4/2015

| Previous Measurement | | Present Measurement | | | Total Upto Date | | Remarks |
|---|---|---|---|---|---|---|---|
| Qty. | Cost | Qty. | Rate Rs. P. | Amount | Qty | Cost | |
| - | - | 5.00 | 190.00 | 950.00 | 5.00 | 950.00 | |
| - | - | 5.00 | 280.00 | 1400.00 | 5.00 | 1400.00 | |
| - | - | 4.00 | 400.00 | 1600.00 | 4.00 | 1600.00 | |
| - | - | 2 | 85.00 | 170.00 | 2.00 | 170.00 | |
| - | - | 2 | 190.00 | 380.00 | 2.00 | 380.00 | |
| - | - | 25 | 110.00 | 2750.00 | 25.00 | 2750.00 | |
| - | - | 6 | 180.00 | 1080.00 | 6.00 | 1080.00 | |
| - | - | 4 | 550.00 | 2200.00 | 4.00 | 2200.00 | |
| - | - | 6 | 420.00 | 2520.00 | 6.00 | 2520.00 | |
| - | - | 5 | 18.00 | 90.00 | 5.00 | 90.00 | |
| - | - | 4 | 2100.00 | 8400.00 | 4.00 | 8400.00 | |
| - | - | 1 | 700.00 | 700.00 | 1.00 | 700.00 | |
| - | - | 1 | 70.00 | 70.00 | 1.00 | 70.00 | |
| - | - | 1 | 600.00 | 600.00 | 1.00 | 600.00 | |
| - | - | 1 | 300.00 | 300.00 | 1.00 | 300.00 | |
| - | - | 1 | 120.00 | 120.00 | 1.00 | 120.00 | |
| - | - | 1 | 2100.00 | 2100.00 | 1.00 | 2100.00 | |
| - | - | 12.00 | 55.00 | 660.00 | 12.00 | 660.00 | |
| | | | | 1909630=00 | | 1909630=00 | |
| | | | | 2075652.55 | | 2075652.55 | |

Assistant Executive Engi
Vidyaranyapura Sub Divisio
BBMP, Bangalore - 97